

Translation of Category of Cited Documents in attached foreign language Search Report:

- X: particularly relevant if taken alone
- Y: particularly relevant if combined with another document of the same category
- A: relevant to at least one claim or as technological background
- O: non-written disclosure
- P: intermediate document
- T: theory or principle underlying the invention
- E: document entitled to a date prior to the filing date but which was not published until the filing date or a later date
- D: cited in the application
- L: cited for other reasons

&: member of the same patent family, corresponding document



DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	DONG GEUN JEONG ET AL: "EFFECTS OF CHANNEL ESTIMATION ERROR IN MC-CDMA/TDD SYSTEMS" VTC 2000-SPRING. 2000 IEEE 51ST. VEHICULAR TECHNOLOGY CONFERENCE PROCEEDINGS. TOKYO, JAPAN, MAY 15-18, 2000, IEEE VEHICULAR TECHNOLOGY CONFERENCE, NEW YORK, NY: IEEE, US, vol. 3 OF 3. CONF. 51, 15 May 2000 (2000-05-15), pages 1773-1777, XP000968309 ISBN: 0-7803-5719-1 * page 1775, left-hand column, paragraph 3 - last paragraph *	1-9	H04L5/02 H04L1/06 H01Q3/26 H04L25/02
X	ZHIYONG PU ET AL: "Transmission and reception of TDD multicarrier CDMA signals in mobile communications system" VEHICULAR TECHNOLOGY CONFERENCE, 1999 IEEE 49TH HOUSTON, TX, USA 16-20 MAY 1999, PISCATAWAY, NJ, USA, IEEE, US, 16 May 1999 (1999-05-16), pages 2134-2138, XP010342238 ISBN: 0-7803-5565-2 * page 2137, equation (15) * * page 2135, left-hand column, paragraph 2 * ----- -/--	1-9	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04L H01Q
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 16 January 2003	Examiner Agudo Cortada, E
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	INCHEOL JEONG ET AL: "A TDD-CDMA system with pre-phase subcarrier equalizer using asymmetric modulation scheme in duplex channel" GLOBAL TELECOMMUNICATIONS CONFERENCE GLOBECOM'99, 5 - 9 December 1999, pages 122-126, XP010373284 Rio de Janeiro, Brazil * page 124, equation (4) * * page 123, equation (1) *	1-9	
A	ZEKAVAT S A ET AL: "The Merger of a Single Oscillating-Beam Smart Antenna and MC-CDMA: Transmit Diversity, Frequency Diversity and Directionality" PROCEEDINGS OF IEEE EMERGING TECHNOLOGIES SYMPOSIUM ON BROADBAND COMMUNICATIONS FOR INTERNET ERA, September 2001 (2001-09), pages 107-112, XP010575020 Dallas, TX, USA * page 107, right-hand column, paragraph 1 *	1-9	
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